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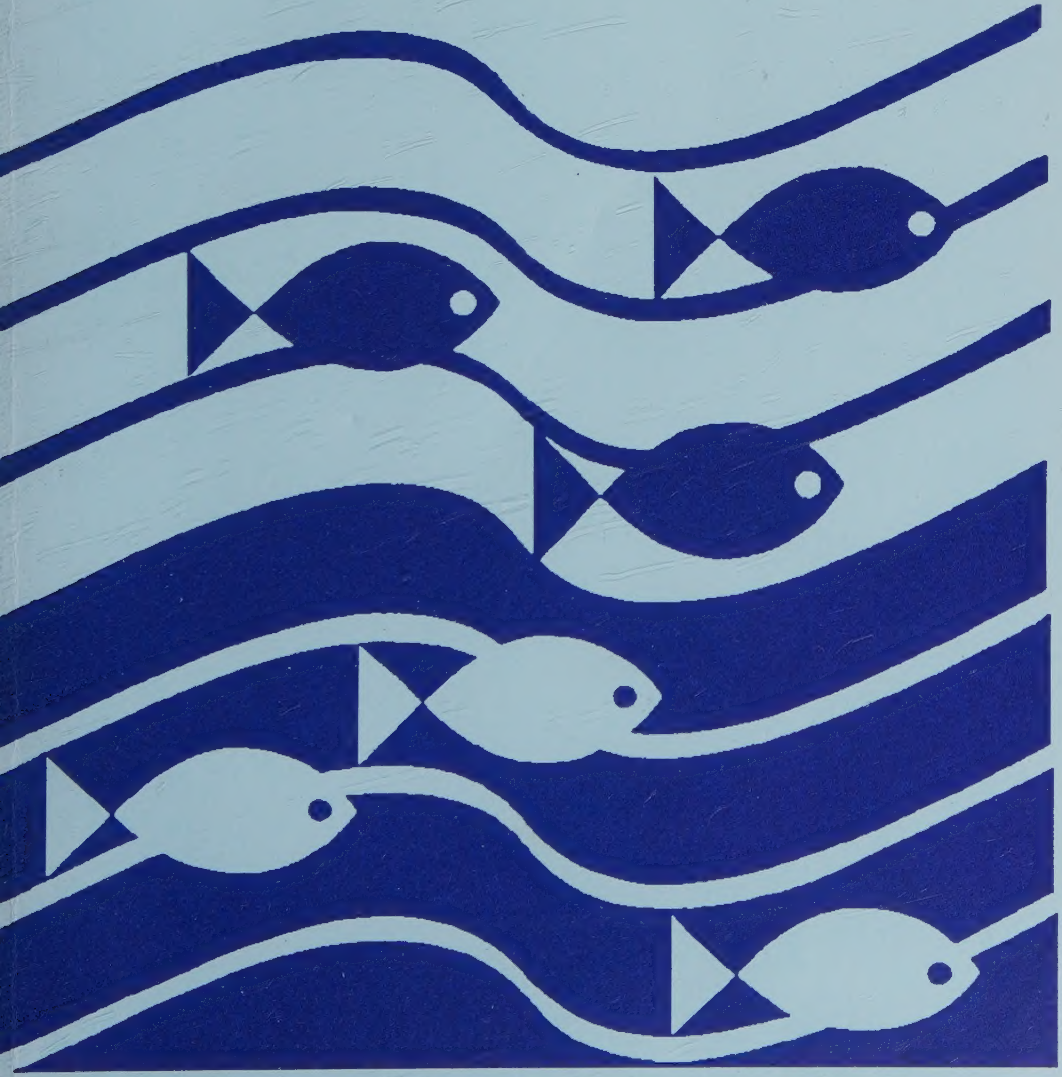

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[Univ. Tex. Mar. Sci. Inst., P.O. Box 1267, Port Aransas 78373] *Sciaenops ocellatus* in Texas.

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[Univ. Md., Cent. Environ. & Estuarine Studies, Chesapeake Biol. Lab., Solomons, MD 20688] *Anchoa mitchilli* in the United States.

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[Environ. & Estuarine Studies, Horn Point Environ. Lab., P.O. Box 775, Cambridge, MD 21613]

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[Mar. Fish Div., Biol. Sci. Branch, Dep. Fish. & Oceans, Biol. Stn., St. Andrews, NB, Canada E0G 2X0] *Clupea harengus* in Canada.

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[Auke Bay Lab., Fish. Sci. Cent., NMFS, 11305 Glacier Hwy., Juneau, AK 99801-8626] *Salmo salar.*

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[CEGB Mar. Biol. Unit, Fawley, Southampton, England]

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[Univ. Tex. Austin, Mar. Sci. Inst., Port Aransas 78373] *Clupea harengus.*

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93-003343 Roberts, Bruce C. and Robert G. White. EFFECTS OF ANGLER WADING ON SURVIVAL OF TROUT EGGS AND PRE-EMERGENT FRY. *N. Am. J. Fish. Manage.* 12(3):450-459. 1992. FR 38(2)
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93-003349 Borodulina, O. D. DESCRIPTION OF A NEW MESOPELAGIC FISH, *ASTRONESTHES GIBBSI*, AND NOTES ON THE CLOSELY RELATED SPECIES, *A. NIGROIDES* (ASTRONESTHIDAE). *J. Ichthyol. (Engl. Transl. Vopr. Ikhtiol.)* 32(7):111-117. 1992. FR 38(2)
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93-003350 Briggs, John C. NEW GENUS AND SPECIES OF CLINGFISH (GOBIESOCIDAE) FROM SOUTHERN AUSTRALIA. *Copeia* 1993(1):196-199. 1993. FR 38(2)
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93-003351 Burgess, Warren E. and Jerry G. Walls. *CICHLASOMA*: THE NEXT STEP. *Trop. Fish Hobbyist* 41(5):80-82. 1993. FR 38(2)
C. cyanoguttatum, C. severum, and *Aequidens portalegrensis.*

93-003352 Chen Yinrui; Yang Junxing and Xu Guocai. A NEW BLIND LOACH OF *TRIPLOPHYSA* FROM YUNNAN STONE FOREST WITH COMMENTS ON ITS PHYLOGENETIC RELATIONSHIP. *Zool. Res.* 13(1):17-23. 1992. In English with Chinese summ. FR 38(2)
[Kunming Inst. Zool., Acad. Sinica 650107, China] *T. shilinensis* in China.

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93-003358 Gorr, Thomas and Traute Kleinschmidt. EVOLUTIONARY RELATIONSHIPS OF THE COELACANTH. *Am. Sci.* 81(1):72-82. 1993. FR 38(2)

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[Inst. Agric. & Anim. Sci., Chitwan, Nepal] Data for 68 species.

93-003361 Kobylyanskiy, S. G. TWO NEW SPECIES OF THE GENUS *NANSENIA* (MICROSTOMATIDAE, SALMONIFORMES) FROM THE WESTERN INDIAN OCEAN. *J. Ichthyol. (Engl. Transl. Vopr. Ikhtiol.)* 32(7):30-36. 1992. FR 38(2)

[Inst. Oceanol., USSR Acad. Sci., Moscow, Russia] *N. obscura* and *N. indica*.

93-003362 Luckhurst, Brian E. A FISHERY-INDEPENDENT ASSESSMENT OF BERMUDA'S CORAL REEF FISH STOCKS BY DIVER CENSUS FOLLOWING THE FISH POT BAN. *Bermuda Dep. Agric. Fish. Monthly Bull.* 64(1):1-7. 1993. FR 38(2)

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[Zool. Dep., The Univ., Bristol BS8 1UG, England] *D. schlieweni*.

93-003364 Orr, James Wilder and Ronald A. Fritzsche. REVISION OF THE GHOST PIPEFISHES, FAMILY SOLENOSTOMIDAE (TELEOSTEI: SYNGNATHOIDEI). *Copeia* 1993(1):168-182. 1993. FR 38(2)

[School Fish., HF-15, Coll. Ocean & Fish. Sci., Univ. Wash., Seattle 98195] *Solenostomus paradoxus, S. cyanopterus*, and *S. armatus*.

93-003365 Parin, N. V. *PSEUDOTRICHONOTUS XANTHOTAENIA* (PSEUDOTRICHONOTIDAE, AULOPIFORMES) - NEW SPECIES FROM THE SAYA DE MALHA BANK. *J. Ichthyol (Engl. Transl. Vopr. Ikhtiol.)* 32(7):128-131. 1992. FR 38(2)

[Inst. Oceanol., Russian Acad. Sci., Moscow, Russia]

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[Nakai: Lab. Fish Pathol., Fac. Appl. Biol. Sci., Hiroshima Univ., Kagamiyama, Higashi-Hiroshima, Hiroshima 724, Japan] *Pseudocaranx dentex.*

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[Dep. Fish. & Oceans, Biol. Sci. Branch, Pac. Biol. Stn., Nanaimo, BC, Canada V9R 5K6] *Salmo salar, Oncorhynchus tshawytscha,* and *O. kisutch.*

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93-004100 Molyneaux, Douglas B. and Karen T. Samuelson. KUSKOKWIM MANAGEMENT AREA SALMON CATCH AND ESCAPEMENT STATISTICS, 1989. *Alsk. Dep. Fish Game Tech. Fish. Rep.* No. 92-18. 73p. 1992. FR 38(2)
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[Great Smoky Mt. Natl. Park, Gatlinburg, TN 37738] *Salvelinus fontinalis* and *Oncorhynchus mykiss* in Tennessee and North Carolina.

93-004102 Naismith, I. A. and B. Knights. THE DISTRIBUTION, DENSITY AND GROWTH OF THE EUROPEAN EEL, *ANGUILLA ANGUILLA*, IN THE FRESHWATER CATCHMENT OF THE RIVER THAMES. *J. Fish Biol.* 42(2):217-226. 1993. FR 38(2)
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[Lab. Eau Douces, Univ. Claude Bernard Lyon I, 43 Blvd. du 11 Novembre 1918, F-69622 Villeurbanne Cedex, France]

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Coregonus nasus, C. pidschian, C. peled, and *C. tugun* in the USSR.

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[Dep. Nat. Resour., Fish. Sect., Rt. 2, Box 219R, Richmond Hill, GA 31324]

93-004113 Radwan, Stanislaw; Barbara Jarzynowa; Wlodzimierz Zwolski; Krystyna Girsztowtt; Czeslaw Kowalczyk; Witold Kowalik and Andrzej Paleolog. [ECOLOGICAL CHARACTERIZATION OF THE WATERS OF THE UPPER AND MIDDLE COURSES OF THE BYSTRZYCA LUBELSKA RIVER, ITS TRIBUTARIES AND THE ZEMBORZYCKIE LAKE.] *Rocz. Nauk. Pol. Zwiazku Wedkarskiego* Vol. 1. p. 123-156. 1988. In Polish with English and Russian summ. FR 38(2)
[Inst. Biol. Podstaw Prod. Zwierzecej Akad. Rolniczej, Lubin, ul. Akad. 13, Poland] Data for 27 species in Poland.

93-004114 Reisenbichler, Reginald Ruben. USE OF SPAWNER-RECRUIT RELATIONS TO EVALUATE THE EFFECT OF DEGRADED ENVIRONMENT AND INCREASED FISHING ON THE ABUNDANCE OF FALL-RUN CHINOOK SALMON, *ONCORHYNCHUS TSHAWYTSCHA*, IN SEVERAL CALIFORNIA STREAMS. *Ph.D. dissertation, S.D. State Univ.* 1986. From Diss. Abstr. Int. B Sci. Eng. 47(12):4721-4722. 1987. FR 38(2)

93-004115 Rinne, J. N. PHYSICAL HABITAT UTILIZATION OF FISH IN A SONORAN DESERT STREAM, ARIZONA, SOUTHWESTERN UNITED STATES. *Ecol. Freshwater Fish* 1(1):35-41. 1992. In English with Spanish summ. FR 38(2)
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93-004116 Rovny, Borislav and Vladimir Kovac. A CONTRIBUTION TO THE CONSERVATION MANAGEMENT OF THE EUROPEAN MUDMINNOW (*UMBRA KRAMERI* WALBAUM, 1772) IN THE ZITNY OSTROV - LARGE DANUBE ISLAND. *Biological Monitoring of Large Rivers: Documents presented at the International Seminar held in Brno and Gabcikovo, Czechoslovakia, 3-6 July, 1990.* Milan Penaz, editor. p. 114-115. 1991. FR 38(2)
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93-004117 Sauer, Peter E. A COMMENT ON "NUTRIENT CYCLING IN A FRESHWATER MARSH: THE DECOMPOSITION OF FISH AND WATERFOWL CARRION" (PARMENTER AND LAMARRA). *Limnol. Oceanogr.* 37(7):1586-1587. 1992. FR 38(2)
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[U.S. For. Serv., Pac. Northwest Res. Stn., 3200 S.W. Jefferson Way, Corvallis, OR 97331]

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[Lab. Ichtyol.-Ensat, 145 Ave. Muret, 31076 Toulouse Cedex, France]

93-004120 Skora, Stanislaw and Jan-Marian Wlodek. [ICHTHYOFAUNA OF THE WIEPROZOWKA RIVER DRAINAGE BASIN.] *Rocz. Nauk. Pol. Zwiazku Wedkarskiego* Vol. 2. p. 100-115. 1989. In Polish with English and Russian summ. FR 38(2)
[Zaklad Biol. Wod Polskiej Akad. Nauk, 31-016 Krakow, ul. Slawkowska 17, Poland]

93-004121 Skora, Stanislaw and Jan Marian Wlodek. [ICHTHYOFAUNA OF THE SOLA RIVER AND ITS TRIBUTARIES.] *Rocz. Nauk. Pol. Zwiazku Wedkarskiego* Vol. 1. p. 97-121. 1988. In Polish with English and Russian summ. FR 38(2)
[Zaklad Biol. Wod, Polskiej Akad. Nauk, ul. Slawkowska 17, 31-016 Krakow, Poland] Data for 28 species in Poland.

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[Nat. Hist. Surv., Nat. Resour. Bldg., 607 E. Peabody Dr., Champaign, IL 61820]

93-004123 Starmach, Janusz; Marek Jelonek, Grazyna Mazurkiewicz, Tadeusz Fleituch and Antoni Amirowicz. [INVESTIGATIONS OF THE PRESENT CONDITION OF THE ICHTHYOFAUNA AND POSSIBLE EXPLOITATION OF THE RABA RIVER DRAINAGE BASIN. PART I. BIOLOGICAL - FISHERY CHARACTERIZATION OF THE UPPER PART OF THE RABA RIVER AND ITS TRIBUTARIES.] *Rocz. Nauk. Pol. Zwiazku Wedkarskiego* Vol. 1. p. 73-96. 1988. In Polish with English and Russian summ. FR 38(2)
[Zaklad Biol. Wod PAN, ul. Slawkowska 17, 31-016 Krakow, Poland] Data for 11 species in Poland.

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[Rocky Mt. Natl. Park, Estes Park, CO 80517] *Oncorhynchus clarki stomias* in Colorado.

93-004125 Strange, Elizabeth M.; Peter B. Moyle and Theodore C. Foin. INTERACTIONS BETWEEN STOCHASTIC AND DETERMINISTIC PROCESSES IN STREAM FISH COMMUNITY ASSEMBLY. *Environ. Biol. Fishes* 36(1):1-15. 1993. FR 38(2)

[Dep. Wildl. & Fish. Biol., Univ. Calif., Davis 95616] *Salmo trutta, Oncorhynchus mykiss, Richardsonius egregius, Rhinichthys osculus robustus,* and *Catostomus tahoensis* in California.

93-004126 Stratton, Barry L. and James D. Woolington. BRISTOL BAY SOCKEYE SALMON SPAWNING ESCAPEMENT TEST FISHING IN 1991. *Alsk. Dep. Fish Game Tech. Fish. Rep.* No. 92-15. 69p. 1992. FR 38(2)

[Dep. Fish & Game, Div. Commer. Fish., 333 Raspberry Rd., Anchorage, AK 99518] *Oncorhynchus nerka* in Alaska.

93-004127 Swierczynski, Marek and Grzegorz Matlawski. AN ATTEMPT ON NEUTRALIZE ACIDIFIED MOUNTAIN WATERS ON EXAMPLE OF THE INVESTIGATED STREAMS: THE CZERWIEN, MYJA AND PODGORNA. *Acta Ichthyol. Piscatoria* 22(1):75-95. 1992. In English with Polish summ. FR 38(2)

[Wydzial Biol. & Nauko Morzu, Katedra Ekol. Zwierzat, ul. Felczaka 3a, 71-412 Szczecin, Poland] *Carassius auratus, Lebistes reticulatus,* and *Oncorhynchus mykiss* in Poland.

93-004128 Szlazynska, Katarzyna and Arkadiusz Wolos. [ANALYSIS OF ANGLING PRESSURE IN THE BIEBRZA, BUG AND NAREW RIVERS.] *Rocz. Nauk. Pol. Zwiazku Wedkarskiego* Vol. 1. p. 7-22. 1988. In Polish with English and Russian summ. FR 38(2)

[Zaklad Ekon. Rybactwa, Inst. Rybactwa Srodladowego Olsztynie, 10-957 Olsztyn-Kortowo, Poland]

93-004129 Vinson, Mark R.; Deanna K. Vinson and Ted R. Angradi. AQUATIC MACROPHYTES AND INSTREAM FLOW CHARACTERISTICS OF A ROCKY MOUNTAIN RIVER. *Rivers* 3(4):260-265. 1992. FR 38(2)

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93-004130 Watters, G. Thomas. UNIONIDS, FISHES, AND THE SPECIES-AREA CURVE. *J. Biogeogr.* 19(5):481-490. 1992. FR 38(2)

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93-004131 Way, Carl M.; Andrew C. Miller; C. Rex Bingham and B. S. Payne. EFFECTS OF SURFACE TEXTURE OF ARTICULATED CONCRETE MATTRESS BLOCKS ON THEIR HABITAT VALUE. *Lower Mississippi River Environ. Rep.* No. 19. 38p. 1992. Available from Natl. Tech. Inform. Serv., 5285 Port Royal Rd., Springfield, VA 22161. FR 38(2)

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93-004132 Weathers, Kenneth C. and Mark B. Bain. SMALLMOUTH BASS IN THE SHOALS REACH OF THE TENNESSEE RIVER: POPULATION CHARACTERISTICS AND SPORT FISHERY. *N. Am. J. Fish. Manage.* 12(3):528-537. 1992. FR 38(2)

[U.S. Fish & Wildl. Serv., Coop. Fish & Wildl. Res. Unit., Auburn Univ., Auburn, AL 36849] *Micropterus dolomieu* in Alabama.

93-004133 West, J. R.; O. J. Dix; A. D. Olson; M. V. Anderson; S. A. Fox and J. H. Power. EVALUATION OF FISH HABITAT CONDITION AND UTILIZATION IN SALMON, SCOTT, SHASTA, AND MID-KLAMATH SUB-BASIN TRIBUTARIES 1988/1989. *Klamath River Fish. Resour. Off. Publ.* 89(2.31 & 2.41):89p. plus appendix. 1989. FR 38(2)

[Klamath Natl. For., 1312 Fairlane Rd., Yreka, CA 96097]

93-004134 White, Ray J. OBJECTIVES SHOULD DICTATE METHODS IN MANAGING STREAM HABITAT FOR FISH. *Am. Fish. Soc. Symp.* No. 10. p. 44-52. 1991. FR 38(2)

[320 12th Ave. N., Edmonds, WA 98020]

93-004135 White, Ray J. RESISTED LATERAL SCOUR IN STREAMS - ITS SPECIAL IMPORTANCE TO SALMONID HABITAT AND MANAGEMENT. *Am. Fish. Soc. Symp.* No. 10. p. 200-203. 1991. FR 38(2)

[320 12th Ave. N., Edmonds, WA 98020] *Oncorhynchus clarki lewisi, O. c. bouvieri, O. mykiss,* and *Salmo trutta* in Montana.

93-004136 White, Ray J. STREAMS, LAKES, AND FISH IN WHITEBARK PINE ECOSYSTEMS. *U.S. For. Serv. Gen. Tech. Rep. INT* No. 270. p. 297-301. 1990. FR 38(2)

[Trout Habitat Specialists, 320 12th Ave. N., Edmonds, WA 98020]

FARM POND AND SMALL IMPOUNDMENT MANAGEMENT AND RESEARCH

93-004137 Bitter, Susan D. and Robert Danehy. A MANAGEMENT PLAN FOR CREATING AND MAINTAINING A FISHERY RESOURCE IN AN URBAN LAKE. *Natl. Inst. Urban Wildl. Symp. Ser.* No. 2. p. 250–251. 1991. Poster abstract only. FR 38(2)

[Biohabitats Inc., 303 Allegheny Ave., Towson, MD 21204] *Lepomis macrochirus* and *Micropterus salmoides* in Maryland.

93-004138 Iwata, Katsuya; Noriko Takamura; Jia-Le Li; Xue-Bao Zhu and Taizou Miura. [ECO-PHYSIOLOGICAL STUDIES OF CHINESE INTEGRATED FISH CULTURE-I. DECOMPOSING PROCESSES OF GRASS CARP FECES UNDER AEROBIC LABORATORY CONDITIONS.] *Jpn. J. Limnol.* 53(4):341–354. 1992. In Japanese with English summ. FR 38(2)

[Biol. Lab., Fac. Educ., Wakayama Univ., 930 Sakaedani Wakayama-shi 640, Japan] *Ctenopharyngodon idella, Carassius auratus,* and *Aristichthys nobilis.*

93-004139 Kirk, James P. EFFICACY OF TRIPLOID GRASS CARP IN CONTROLLING NUISANCE AQUATIC VEGETATION IN SOUTH CAROLINA FARM PONDS. *N. Am. J. Fish. Manage.* 12(3):581–584. 1992. FR 38(2)

[U.S. Army Corps Eng., Waterway Exp. Stn., Environ. Lab., 3909 Halls Ferry Rd., Vicksburg, MS 39180] *Lepomis macrochirus, Ctenopharyngodon idella,* and *Micropterus salmoides.*

93-004140 Slootweg, R.; P. A. Vroeg and S. J. Wiersma. EFFECTS OF MOLLUSCIVOROUS FISH, WATER QUALITY AND POND MANAGEMENT ON THE DEVELOPMENT OF SCHISTOSOMIASIS VECTOR SNAILS IN AQUACULTURE PONDS. *Aquacult. Fish. Manage.* 24(1):123–128. 1993. FR 38(2)

[Cent. Environ. Sci., P.O. Box 9518, 2300 RA Leiden, Netherlands] *Tilapia nilotica, Clarias gariepinus,* and *Astatoreochromis alluaudi.*

LARGE IMPOUNDMENT MANAGEMENT AND RESEARCH

93-004141 Bieniarz, Krzysztof; Piotr Epler and Jacek Achinger. [FISH CATCHING BY ANGLERS IN THE ZYWIEC DAM RESERVOIR.] *Rocz. Nauk. Pol. Zwiazku Wedkarskiego* Vol. 3. p. 7–14. 1990. In Polish with English and Russian summ. FR 38(2)

[Katedra Ichtiobiol. & Rybactwa, Akad. Rolniczej Krakowie, 30–149 Krakow, ul. Ambrosowa 6, Poland] *Perca fluviatilis, Rutilus rutilus,* and data for 9 other species in Poland.

93-004142 Bieniarz, Krzysztof; Piotr Epler and Roman Sych. [FISH CATCHING BY ANGLERS IN THE ROZNOW DAM RESERVOIR.] *Rocz. Nauk. Pol. Zwiazku Wedkarskiego* Vol. 3. p. 15–31. 1990. In Polish with English and Russian summ. FR 38(2)

[Katedra Ichtiobiol. & Rybactwa Akad. Rolniczej Krakowie, 30–149 Krakow, ul. Ambrosowa 6, Poland]

93-004143 Hanna, Nuha S. and Fritz Schiemer. THE SEASONALITY OF ZOOPLANKTIVOROUS FISH IN AN AFRICAN RESERVOIR (GEBEL AULIA RESERVOIR, WHITE NILE, SUDAN). PART 2: SPATIAL DISTRIBUTION AND RESOURCE PARTITIONING IN ZOOPLANKTIVOROUS FISH ASSEMBLAGES. *Hydrobiologia* 250(3):187–199. 1993. FR 38(2)

[Univ. Vienna, Inst. Zool., Althanstr. 14, A-1090 Wien, Austria] *Alestes baremose, A. nurse,* and *Brycon dentex.*

93-004144 Hanna, Nuha S. and Fritz Schiemer. THE SEASONALITY OF ZOOPLANKTIVOROUS FISH IN AN AFRICAN RESERVOIR (GEBEL AULIA RESERVOIR, WHITE NILE, SUDAN). PART 1: LIMNOLOGICAL CYCLE AND THE FISH COMMUNITY DYNAMICS. *Hydrobiologia* 250(3):173–185. 1993. FR 38(2)

[Univ. Vienna, Inst. Zool., Althanstr. 14, A-1090 Wien, Austria] *Alestes nurse, A. baremose,* and data for 50 other species.

93-004145 Leon, Stuart Clark. RELATIONSHIPS BETWEEN HABITAT AND FISH POPULATIONS OF A NEW RESERVOIR. *Ph.D. dissertation, Okla. State Univ.* 209p. 1991. From Diss. Abstr. Int. B Sci. Eng. 53(7):3356–3357. 1993. Order No. DA9236749. FR 38(2)

93-004146 Lieberman, Davine. LIMNOLOGY OF A PRAIRIE RESERVOIR: A NEWLY CREATED MPOUNDMENT. *Bur. Reclam.* R-92–14. 75p. 1992. FR 38(2)

Alosa pseudoharengus, Pomoxis, Stizostedion vitreum, Micropterus salmoides, Lepomis macrochirus, Perca lavescens, and *Esox lucius.*

93-004147 Lusk, Stanislav and Jiri Libosvarsky. MONITORING OF FISHES IN THE NOVE MLYNY MAN-MADE LAKE SYSTEM. *Biological Monitoring of Large Rivers: Documents presented at the International Seminar held in Brno and Gabcikovo, Czechoslovakia, 3–6 July, 1990.* Milan Penaz, editor. p. 90–92. 1991. FR 38(2)

[Inst. Syst. & Ecol. Biol., Czechoslovak Acad. Sci., Kvetna 8, 603 65 Brno, Czechoslovakia]

93-004148 Yule, Daniel L. INVESTIGATIONS OF FORAGE FISH AND LAKE TROUT *SALVELINUS NAMAYCUSH* INTERACTIONS IN FLAMING GORGE RESERVOIR. *M.S. thesis, Utah State Univ.* 132p. 1992. FR 38(2)

Gila atraria and *Oncorhynchus mykiss* in Wyoming and Utah.

ESTUARY MANAGEMENT AND RESEARCH

93-004149 Austin, H. M. CHESAPEAKE BAY STOCK ASSESSMENT: WHO ARE THEY, AND WHERE AR THEY? *Proceedings of the Sixteenth Biennial Conference of the International Association on Water Pollutio Research and Control, Washington, DC, USA,* 24-30 May 1992. M. Suzuki, D. Ballay, A.-G. Dahlberg, W. Guje D. Jenkins, H. Kroiss, A. C. Di Pinto, K. Zotter, A. Milburn, E. J. Izod and P. T. Nagle, editors. Water Sci. Technol 26(12):2705-2709. 1992. FR 38(2)

[School Mar. Sci., Inst. Mar. Sci., Coll. William & Mary, Gloucester Point, VA 23062] *Alosa sapidissima, Morone saxatilis, Pomatomus saltatrix, Leiostomus xanthurus, Micropogonias undulatus, Paralichthys dentatus, Fundulus Anchoa mitchilli,* and *Menidia.*

93-004150 Boulon, Ralf H., Jr. USE OF MANGROVE PROP ROOT HABITATS BY FISH IN THE NORTHERN U.S. VIRGIN ISLANDS. *Proc. Gulf Caribb. Fish. Inst.* Vol. 41. p. 189-204. 1992. FR 38(2)

[Dep. Planning & Nat. Resour., Div. Fish & Wildl., 101 Estate Nazareth, St. Thomas, Virgin Islands 00802 *Sphyraena barracuda* and *Ocyurus chrysurus.*

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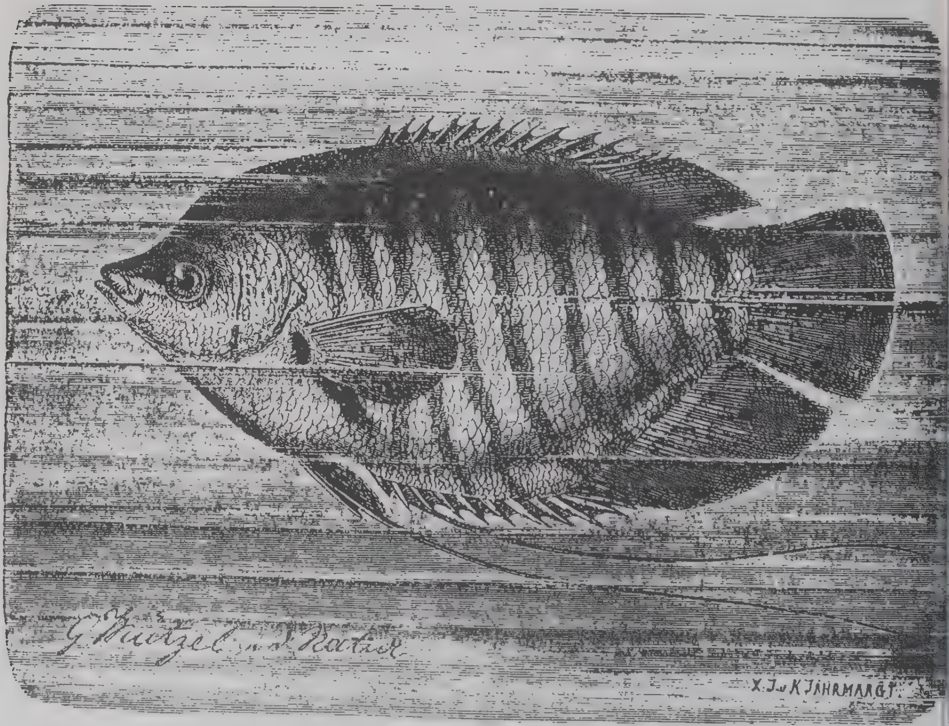

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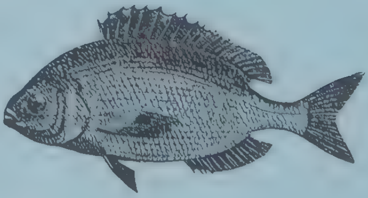

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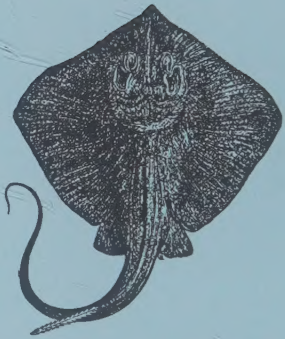

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